



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 48] नई दिल्ली, शनिवार, नवम्बर 30, 1996 (अग्रहायण 9, 1918)  
No. 48] NEW DELHI, SATURDAY, NOVEMBER 30, 1996 (AGRAHAYANA 9, 1918)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
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PATENTS AND DESIGNS

Calcutta, the 30th November 1996

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Telegraphic address "PATOFFICE".

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Telegraphic address "PATENTOFIC".

1—347 GI '96

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"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

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Telegraphic address "PATENTS".

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कलकत्ता, दिनांक 30 नवम्बर 1996

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं।

पेटेंट कार्यालय शाखा, टोली स्टैंड  
तीसरा तल, लोअर परेल (पश्चिम),  
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोवा राज्य क्षेत्र एवं संघ शासित क्षेत्र दमन तथा दीव एवं दादरा और नगर हुवेली।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
फ्लैक में 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, बराल बाग,  
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,  
राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य क्षेत्रों एवं संघ शासित क्षेत्र छण्डीगढ़।

तार पता-“पेटेंटोफिस”

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crecent brackets are the dates  
blained under section 135, of the Patent Act, 1970.

28-8-1996

1529/Cal/96. Daewil Ekectribuces Co. Ltd. "Method and  
apparatus for generating chrominance shape  
information of a video object plane in a video  
signal." (Convention No. 96-15395; on 10-5-96;  
in South Korea).

1530/Cal/96. Philips Electronics N.V. "Method of convert-  
ing a series of M-Bit information words to a  
modulated signal, method of producing a record  
carrier, coding device, device, recording device,  
signal, as well as a record carrier.

1531/Cal/96. Philips Electronics N.V. "Information hand-  
ling for interactive apparatus." (Convention No.  
Nil; on 31-8-95; in U.K.).

1532/Cal/96. Philips Electronics N.V. "Interactive enter-  
tainment apparatus." (Convention No. Nil; on  
31-8-95; in U.K.).

1533/Cal/96. Tadao UNO. "Anti-counterfeit structure of  
passport and method for manufacturing the  
same." (Convention No. 8-199997; on 30-7-96;  
in Japan).

मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा  
पाण्डिचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र लक्षद्वीप,  
मिनिकाय तथा एमिनिविदि द्वीप।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),

निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,

भवन. 5, 6 तथा 7वां तल,

234/4, आचार्य जगदीश बोस मार्ग,

कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता-“पेटेंटोफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-  
क्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे।

शुल्क :—शुल्कों की उपायगी या तो नकद की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा  
काक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट  
अथवा बैंक द्वारा की जा सकती है।

1534/Cal/96. CADAC Limited. "Plastic brushless direct cur-  
rent disk-shaped electric motor." (Convention  
No. 272906; on 31-8-95; in New Zeland).

1535/Cal/96. COPEES-VULCAN, INC. "Spring assisted multi-  
nozzle desuperheater."

1536/Cal/96. Johnson & Johnson Vision Products, Inc.  
"Method for transiently wetting lens molds in pro-  
duction of contact lens blanks to reduce lens hole  
defects."

1537/Cal/96. Johnson & Johnson vision Products, Inc.  
"Mold material made with additives."

1538/Cal/96. Johnson & Johnson Vision Products, Inc.  
"Marking of mold inserts to produce marked  
contact lenses."

1539/Cal/96. ESSEF CORPORATION. "Fitting installation  
process and apparatus for a molded plastic vessel."

29-8-1996

1540/Cal/96. V. Mane fils, S.A. "Process for making coolant  
compositions." (Convention Nos. 08/520/399.  
08/629,598; on 29-8-95, 9-4-96; in U.S.A.).

1541/Cal/96. MCNEIL-PPC INC. "Method of forming  
improved apertured films resultant apertured films.  
and absorbant products incorporating resultant  
apertured films." (Convention No. 08/523,112;  
on 1-9-95 in U.S.A.).

1542/Cal/96. MONEIL-PPC. Inc. "Apertured films having improved fluid distribution properties, method of forming same, and absorbent products incorporating same. (Convention No. 08/522600 on 1-9-95; in U.S.A.).

1543/Cal/96. Iscar Ltd. "Toolholder assembly."

1544/Cal/96. NITTO CHEMICAL INDUSTRY CO. LTD. "Cross-linkable, electrically conductive composition, electric conductor and process for forming the same.

1545/Cal/96. YOSHINO DENKA KOGYO, INC. "Emi shield and a method of forming the same."

1546/Cal/96. Siemens Aktiengesellschaft. "Method for the production of a connection between at least two electrical conductors, one of which is arranged on a carrier sub-strate." (Convention No. 19531970.2; on 30-8-95; in Germany).

1547/Cal/96. Thomson Consumer Electronics. Inc. "A trell is demapper of a convolutional decoder." (Convention No. 528,370; on 14-9-95; in United States).

30-8-96

1548/Cal/96. Kiran Ananda Mitter. "Improvement Relating to Coal fired gas turbine Engine."

1549/Cal/96. Daewoo Electronics Co. Ltd. "Apparatus for automatically press-fitting a turntable-B" (Convention No. 95-28011; 95-28012; on 31-8-95; in Korea).

1550/Cal/96. Daewoo Electronics Co. Ltd. "Apparatus for controlling a picture signal and a sound signal in a television." (Convention No. 95-28545; on 31-8-96; in Korea).

1551/Cal/96. Daewoo Electronics Co. Ltd. "A disc chucking apparatus for compact disc player turner." (Convention No. 95-27990; on 31-8-95; in Korea).

1552/Cal/96. Daewoo Electronics Co. Ltd. "Apparatus for automatically press-fitting a turntable-A" (Convention Nos. 95-28014 & 95-28015 on 31-8-95; in Korea).

1553/Cal/96. Siemens Aktiengesellschaft. "Voltmeter, suitable for medium/high-voltage devices, having a surface-wave device." (Convention No. 19532600.8; on 04-09-95; in Germany).

1554/Cal/96. Siemens Aktiengesellschaft. "Device for the adjustment of a component for optical signal transmission." (Convention Nos. 19522545.7; on 11-09-95; in Germany).

1555/Cal/96. Siemens Aktiengesellschaft. "Process for the transmission of data packets from mobile stations to base stations in mobile radio systems operated by the time-division multiplex method. (Convention No. 19534156.2; on 14-09-95; in Germany).

1556/Cal/96. Hoechst Aktiengesellschaft. "Hydrophilically modified pulverulent high and/or ultra-high molecular weight polyethylene." (Convention No. 19536558.5; on 2-10-95; in Germany).

1557/Cal/96 Eaton Corporation. "Electromechanical programmer/timber." (Convention No. 534,898; on 28-09-95; in U.S.A.)

#### ALTERATION OF DATE

177176 (774/Del/88) Filed on 03-09-88 Ante dated to 22-01-86.

177178 (6/Del/91)—Filed on 4-1-91 Ante dated to 5-1-88.

177179 (148/Del/91)—Filed on 20-02-91 Ante dated to 9-01-88.

177180 (164/Del/91)—Filed on 27-02-91 Ante dated to 23-12-87.

177191 (334/Del/91)

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month, applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be as ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अगिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकत्र को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में क्या विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप है।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की अंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके,

Ind. Cl.: 32 F. 2.b.

177171.

Int. Cl.: C 07 D, 221/00.

A PROCESS FOR THE PREPARATION OF THE NOVEL 9-AND 11-AMINOEBURNANE-CARBOXYLIC ACID DERIVATIVES.

Applicant: RICHTER GEDEON VEGYESZETI GYAR R. T., OF 19, GYOMROI UT, BUDAPEST X, HUNGARY

Inventors: ANDRAS VEDRES, CSABA SZANTAY, ISTVAN BOJDOVAI, BELA STEFKO, DORA GROO, EGON KARPATI, BELA KISS, ERZSEBET LAPIS, ISTVAN LASZLOVSZKY, EVA PALOSI, MIKLCS RIESZ, Z SLOTH SZOMBATHELYI & LASZLO SZPORNY.

Applicant for Patent No.: 544/DEL/85 Filed on 11-07-85.

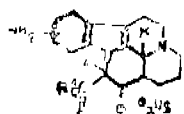
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 3 Claims

A process for the preparation of the novel 9-and 11-aminoeburnane-carboxylic acid derivatives of the general formula I of the drawings



or an acid addition salt thereof wherein R stands an amino group, or for an -NH-COR<sup>1</sup> group wherein R<sup>1</sup> means a hydrogen atom, a C<sub>1-10</sub> aliphatic group, a C<sub>3-8</sub> alicyclic group, an aromatic C<sub>6-14</sub> hydrocarbyl group or a heteroaromatic group containing sulfur or nitrogen as heteroatom optionally substituted by halogen, nitro or C<sub>1-14</sub> alkoxy group(s); or an -NH-SO<sub>2</sub>-R<sup>2</sup> group, wherein R<sup>2</sup> means a C<sub>1-10</sub> aliphatic group or an aromatic C<sub>6-14</sub> hydrocarbyl group; R<sup>3</sup> stands for a hydrogen atom, a C<sub>1-10</sub> aliphatic group optionally substituted by hydroxy group; A stands for a hydroxyl group; B stands for a hydrogen atom, or A and B together form a valence bond; with the proviso that R<sup>3</sup> is different from methyl group when R means an amino group or an -NH-COR<sup>1</sup> group in the position 11, wherein R<sup>1</sup> is a methyl group, A means a hydroxyl group and B stands for a hydrogen atom; and R<sup>3</sup> is different from hydrogen atom when R means an amino group and A and B together form a valence bond, as well as their salts, said process comprises acylating, 9-or 11-aminoeburnanecarboxylic acid derivative of the general formula II of the drawings.



or a salt thereof, wherein R<sup>1</sup> stands for a methyl group and, when A and B together form a valence bond or a hydrogen atom, to obtain a 9- or 11-aminoeburnanecarboxylic acid derivative of the general formula I of the drawings, wherein R, R<sup>3</sup>, A and B are as defined above and converting by any known manner the thus obtained said 9- or 11-aminoeburnanecarboxylic acid derivative to an acid addition salt.

(Complete Specification 40 Pages;

Drawing 1 Sheet)

Ind. Cl.: 27 E

177172

Int. Cl.: B 05 D 7/04, B 29 C 41/08.

B 32 B 17/04, C 03 C 25/02.

IMPROVED SURFACE COVERING ARTICLE FOR SURFACES SUCH AS FLOORS AND METHOD FOR THE PREPARATION THEREOF.

Applicant: ARMSTRONG WORLD INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA, OF P.O. BOX 3001, LANCASTER STATE OF PENNSYLVANIA 17604, UNITED STATES OF AMERICA

Inventors: RAYMOND GRAHAM DAVEY, MARTIN DEES, JR.

Application for Patent No. 35/Del/88 filed on 15th January, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 15 Claims

An improved surface covering article for surfaces such as floors which comprises:

(a) a substrate of a material such as herein described;

(b) a coating of an impervious material such as herein described bonded to at least one surface of said substrate; and

(c) an upper discontinuous layer provided in bonded relationship on said coating of impervious material, said upper layer being composed of a plurality of individual elements each having a height of from 0.003 inch to 0.080 inch selectively disposed with respect to one another upon said impervious coating to create embossed-in-register effects, the individual portions composing said upper layer being composed of a thixotropic plastic containing at least one thixotrope chosen from the group consisting of fumed silicas, precipitated silicas, finely powdered organophilic clays, highly substituted sorbatols and calcium-organic complexes having dispersed therein solid particles of abrasion resistant material such as herein described.

Compl. Specn. 15 pages

Drngs. 2 sheets

Ind. Cl.: 140 (A\*)

177173

Int. Cl.: C10M 129/00

## A LUBRICANT COMPOSITION.

Applicant: THE LUBRIZOL CORPORATION, 29400 LAKELAND BLVD, WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventors: FREDERICK WILLIAM KOCH, RICHARD ASCOT DENIS.

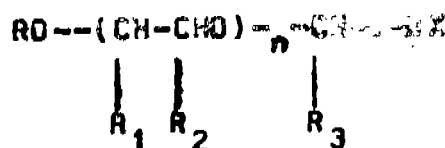
Application for Patent No. 75/Del/88 filed on 29-1-88.

Appropriate Office for Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi 110005.

## 10 Claims

A lubricant composition comprising:

An oil of lubricating viscosity and an oil dispersible compound having structure formula 1:



wherein R is a hydrocarbyl containing 1 to 44 carbons, R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> are independently hydrogen or an alkyl moiety containing 1 to 21 carbons, n is in the range of from 1 to

20 and X is a cation, the amount of said oil dispersible compound being 0.1 to 20% by wt. based on the wt. of the composition and the balance, if any, being constituted by conventional additives and dispersants.

Compl. Specn. 21 pages

Drngs. sheets nil

Ind. Cl.: 128G

177174

Int. Cl.4: A47C 1/00, 1/029, 1/035.

#### A FRAME FOR A MOBILE CHAIR.

Applicant: THE NORTHERN TERRITORY OF AUSTRALIA, A BODY POLITIC ESTABLISHED UNDER THE NORTHERN TERRITORY (SELF GOVERNMENT) ACT NO. 58 OF 1978, AN ACT OF THE COMMONWEALTH OF AUSTRALIA, OF G.P.O. BOX 1701, DARWIN, NORTHERN TERRITORY, AUSTRALIA; CHRISTOPHER LEON OGLE, AN AUSTRALIAN CITIZEN OF 1 BAYFIELD ROAD, MALAK, NORTHERN TERRITORY, AUSTRALIA AND AN LOUISE LAND, AN AUSTRALIAN CITIZEN OF 16 GOODMAN STREET, NAKARA, NORTHERN TERRITORY, AUSTRALIA.

Inventors: CHRISTOPHER LEON OGLE, AUSTRALIA AND AN LOUISE LAND, AUSTRALIA.

Application for Patent No. 268/Del 88 filed on 4-4-1988.

Kind of Application: Complete.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 6 Claims

A frame for a mobile chair of the type having rear wheels and at least one front wheel, the frame being arranged to support a seat intermediate the rear and front wheels and to support handle grips for manoeuvring the chair, characterised in that the frame comprises:

an inverted Y-shaped backbone member having a substantially narrow backbone member supporting the handle grips at an upper portion thereof and having mount for the securing rear wheels to a bifurcated lower portion thereof.

a seat support member extending from the backbone member intermediate the upper and lower portion for supporting the seat thereon, said seat support member is releasably connected to the lower portion of the backbone member by means of an articulated joint and

a front member extending downwardly from the seat support member to support the distal end thereof, the front member having mounts at its lower end for connecting at least one front wheel thereto.

Ref.: Nil

Agent: Remfry & Son.

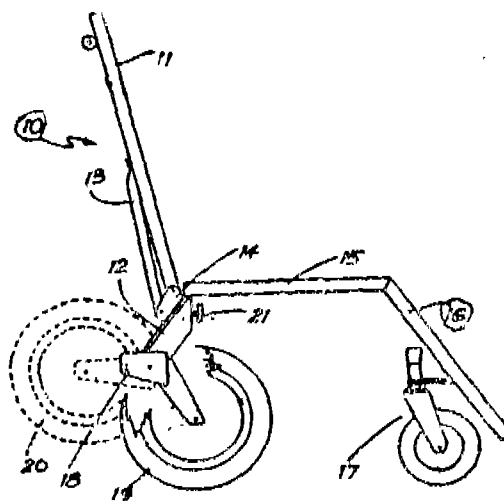


FIG. 1

Compl. Specn. 10 pages

Drngs. 4 sheets

Ind. Cl.: 13 C XL (1).

177175

Int. Cl.4: B 65 B 1/00, 5/00.

#### AN OVERWRAPPING MACHINE WRAPPING OF A SHEET OVER A PRODUCT.

Applicant: BHULLER MACHINES PRIVATE LIMITED, AN INDIAN COMPANY OF 144, INDUSTRIAL AREA, PHASE III, CHANDIGARH-160 002, INDIA.

Inventor: BIRINDER SINGH BHULLER.

Application for Patent No. 440/Del/88 filed on 19-5-88.

Post-dated to 19-6-88.

Complete Specification left on 15-9-89.

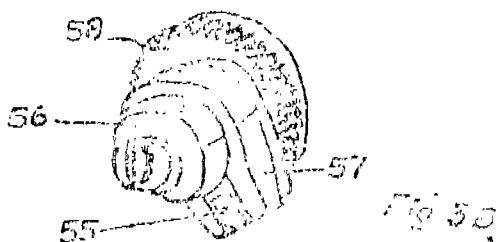
Appropriate Office for filing Opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, Delhi-110 005.

#### 26 Claims

A wrapping machine for wrapping of a sheet over a product, said sheet including cellulose and plastic sheets such as biaxially oriented polypropylene comprising:

- (i) a pocket wheel (8) having a plurality of equally spaced pockets (8A) for receiving the product (P) and displacing it through various working stations; (S<sub>1</sub>, S<sub>2</sub>, S<sub>3</sub> & S<sub>4</sub>)
- (ii) a pusher assembly comprising a slidable block adapted to slide on guide means and provided with drive means to allow a slidable movement to said block along side guide means, rear and front pusher piece provided with said slidable block, said pusher assembly provided for introducing the product (P) into a pocket (8A) of said wheel (8) at a feed station;
- (iii) a film cut off assembly (6) provided at said feed station (S<sub>1</sub>) for providing cut sheets of predetermined length of the wrapping material (F) to said product, P means being provided so as to provide a wrapping material of a plastic material without curls formed thereon.
- (iv) a folder assembly being provided at said feed station of said pocket wheel for causing a folding of the lower and upper flaps (F1) of said cut off wrapping material; (F)
- (v) a sealing assembly comprising a heater tack sealer (7) provided at a second working station (S<sub>2</sub>) and a heater full sealer (9) provided at a third working station (S<sub>3</sub>) for sealing said flaps (F1); and

(vi) discharge means being provided for discharging the product from the fourth working station (S<sub>4</sub>) said discharge means having end fold sealing means.



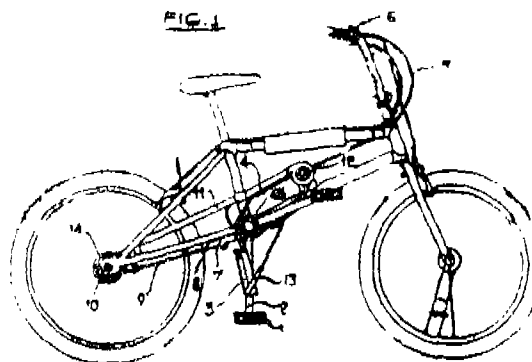
(Provisional Specification 6 Pages

Drawing Sheet 1)

(Complete Specification 27 pages

Drawing Sheets 5).

(25) to said first pawl (21), to said clutch (23) member and to said hub (28).



(Complete Specification 21 Pages

Drawing Sheets 6).

Ind. Cl : 127,53 C.

177176

Int. Cl.<sup>1</sup> : B62M 1/04, 1/08, 9/04, 9/06.

#### PROPULSION MECHANISM FOR LEVER PROPELLED BICYCLES,

Applicant : ALENAX CORPORATION, OF 50 SPENCER-PORT ROAD, ROCHESTER, NEW YORK 14606, UNITED STATES OF AMERICA.

Inventor : MARN TEAK SEOL.

Application for Patent No. 774/Del/88 filed on 13-09-88. Ante-dated to 22-01-86.

Divisional to Patent Application No. 65/Del/86 filed on 22-01-86.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

#### 4 Claims

A propulsion mechanism for a lever propelled bicycle having a frame (11) with main (45) and rear shaft (14) receiving portions, pedal (1, 2, 3) lever assemblies, said assemblies (1, 2, 3) being pivotally mounted in said main (45) shaft portion, a rear (27) axle mounted in said rear (14) shaft portion, a rear wheel (28) hub journaled on said rear axle (27), a pair of sprockets (10) also journaled on said rear axle (27), a pair of one-way clutches for connecting said sprockets (10) to said hub, (28) said propulsion mechanism being characterised in a pair of pawl (21, 25) and ratchet (22, 24) mechanisms provided in each of said one-way clutches, one of which effects locking of the clutch to impart forward motion when said pedal levers are depressed downwardly and the other of which effect release of said clutch to enable said bicycle to be rolled backwards, said hub having drums each for receiving a different one of said one-way clutches.

the first of said pawl (21, 25) and ratchet mechanism having a ratchet (25) wheel rotatable about said rear (27) axle in its drums (28), aatchet around the inner periphery of said wheel, a driver (20) rotatable with one of said sprockets (10) at least one pawl (21) pivotally mounted on said driver (20) and biased towards said ratchet (25); and

the second of said pawl (21, 24) and ratchet mechanisms comprising clutch (23) member rotatable with said hub (28) and having at least one notch therein, a first pawl pivotally (43) mounted on said ratchet (25) wheel of said first pawl (21, 25) and ratchet mechanism and engageable with said notch whereby forward driving force is transferred from said one sprocket (10) through said driver (20) and said pawl (21) of said first (21, 25) pawl and ratchet mechanism to said ratchet (25) wheel of said first pawl and ratchet mechanism.

Ind. Cl. : 169 A XXXIX(6).

177177

Int. Cl. : F 41D, 10/00.

#### PROJECTILE INTENDED TO BE FIRED BY A FIRE-ARM.

Applicant : JEAN-PIERRE DENIS, A FRENCH CITIZEN, OF 5, RUE CLEMENT ADER VELIZY, LES YVELINES, FRANCE.

Inventors : JEAN-PIERRE DENIS.

Application for patent No. 855 DEL 88 filed on 6 Oct 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 13 Claims

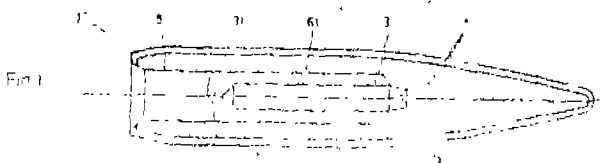
1. A projectile intended to be fired by a fireman, said projectile comprising :

a core (1) enclosed in a jacket (2) and containing a percussion mass (4), projectile being characterised by :

At an axial housing (3) provided in the core (1) and open towards the rear of the core,

B. a locking means (6),

C. said percussion mass (4) having a cross-section corresponding to that of the housing and has in front a shape to match that of said locking means (6) to receive it and co-operate with it, under the effect of a thrust exerted at the rear of the percussion mass, the respective dimensions of the locking means (6) and those of the interior of the housing (3) being such as to resist the percussion mass (4) from advancing into the housing (3) except by force and/or under the effect of firing of the shot to render the percussion mass (4) and the core (1) fully assembled with each other.



Ind. Cl. : 35 B

177178

Int. Cl. : C08 7/00, 7/13, 7/14, 7/19.

"BLENDED HYDRAULIC CEMENT" COMPOSITION CURABLE AT LOW TEMPERATURES".

Applicant : LONE STAR INDUSTRIES, INC., OF 1 GREENWICH PLAZA, GREENWICH CONNECTICUT-06830, USA.

Inventors : RICHARD FRANK HEITZMANN, BILLY BOB GRAVITT, JAMES LINWOOD SAWYER.

Application for Patent No. 6/Del/91 filed on 4-1-91

Ante dated to 5-1-88,

Divisional to Patent Application No. 6/Del/88 filed on 5-1-88.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

#### 5 Claims

A blended hydraulic cement composition curable at low temperatures which comprises on a parts by weight basis :

from 50 to 80 parts portland cement;

from 13 to 35 parts fly ash; and

from 1 to 5 parts of potassium carbonate and/or sodium carbonate.

(Complete Specification 25 pages Drawing Sheet Nil)

Ind. Cl. : 140 (A<sub>9</sub>).

177179

Int. Cl. : C10M 129/00.

A TRACTOR FLUID COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO-44092, UNITED STATES OF AMERICA.

Inventors : FREDRICK WILLIAM GOCH, RICHARD ASCOT DENIS.

Application for Patent No. 148/Del/91 filed on 21-02-91

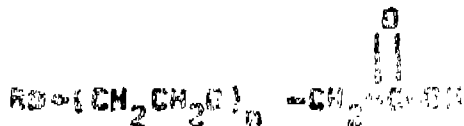
Ante-dated to 29-01-88.

Divisional to Patent Application No. 75/Del/88 filed on 29-01-88.

Appropriate Office for filing Opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, Delhi-110 005.

#### (Claims 5)

A tractor fluid composition having improved water tolerance capacity which comprises from 0.1% to 10% by weight of a metal salt complex based on the weight of the fluid, the metal salt complex being that which is formed by metal cations of the kind as herein described in the presence of a compound represented by the formula :



wherein N varies over a range to provide an average of about 5 and R is an alkyl containing 16 to 24 carbon and the balance being constituted by a mineral oil.

(Complete Specification 20 Pages: Drawing Sheet Nil).

Ind. Cl. : C 10M 125/04, 125/24

177180

Int. Cl. : 140 A<sup>2</sup>

A COMPOSITION USEFUL AS A GEAR OIL LUBRICANT.

Applicant : THE LUBRIZOL CORP., OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, AMERICA.

Inventors : STEPHEN AUGUSTINE DI BIASE USA : CURTIS RICHARD SCHARF USA : JAMES JAY SCHWIND USA : CRAIG DANIEL TIPTON, USA.

Kind of Application : Divisional - divided out of application No. 1124/Del/87 filed on 23-12-87.

Application for Patent No. 1664/Del/91 filed on 27-02-91.

Ante-dated to 23-12-87.

Appropriate Office for filing Opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, Delhi-110 005.

#### (Claims 16)

A composition useful as gear oil lubricant comprising a lubricating base oil having dissolved therein a combination of

(a) from 0.025 to 0.75% by weight of phosphorus as at least one phosphite ester characterised by the formula IA shown in the accompanying drawings wherein R<sup>1</sup> and R<sup>2</sup> are hydrocarbyl based groups, and

(b) at least one metal overbased component to provide a total base number of from 1 to 7.5, said at least one metal overbased component being selected from the group consisting of

a sulfonate,

a carboxylate,

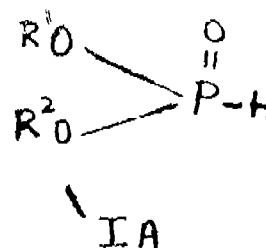
a phenate,

a calicylate, or mixtures thereof; and

(c) from 0.1 to 3.5 percent by weight sulfur as at least one sulfurization product of an aliphatic olefinic compound contained from 3 to 30 carbon atoms.

US Patent No. 3583915, 3446739 and 3321401 are referred in the specification.

Agent : Remfry & Sagar



(Complete Specification 48 Pages: Drawing Sheets 2)

Ind. Cl. : 32 E.

177181

Int. Cl. : C08F 12/02.

A METHOD FOR PRODUCING A POLYMER BLEND.

Applicant : EXXON CHEMICAL PATENTS INC., AT 1900 EAST LINDEN AVENUE, NEW JERSEY, UNITED STATES OF AMERICA.

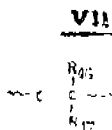
Inventors : TZE-CHIANG CHUNG, ANTHONY JAY-DIAS, KENNETH WILLIAM POWERS, HSIEN-CHANG WANG.

Application for Patent No. 1119/DEL/89 filed on 27-1-89

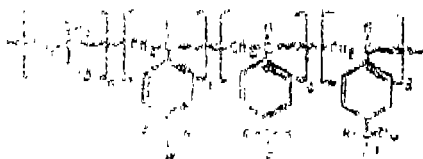
Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

(Claims 9)

A method for producing a polymer blend comprising a first saturated polymer (a) such as butyl rubber including repeating units of the formula VII :



where  $R_{16}$  and  $R_{17}$  are hydrogen or alkyl, and a second unsaturated polymer (b) such as poly isoprene and natural rubber which is incompatible with said first polymer, said method comprising adding to said polymer blend a graft copolymer of the formula I :



wherein R and  $R^1$  are independently selected from the group consisting of hydrogen, alkyl, and the primary and secondary alkyl halides, a ranges from about 14 to 70,000, b ranges from 0 to about 70,000, c ranges from 0 to about 70,000, d ranges from about 1 to 70,000, x comprises a halogen, and Nu comprises a nucleophilic residue provided by a polymeric nucleophile having a molecular weight of at least about 1,000 and being sufficiently nucleophilic such that said nucleophile is capable of donating electrons to benzyl halides.

(Complete Specification 44 Pages Drawing Sheets 2).

Ind. Cl. : 39 L 177182

Int. Cl. : C01B 21/20.

A TWO STAGE ELECTROCHEMICAL METHOD FOR MANUFACTURING DINITROGEN PENTOXIDE.

Applicant : THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, OF WHITE-HALL, LONDON SW1A 2HB, ENGLAND.

Inventor : GREVILLE EUAN GORDON BAGG.

Application for Patent No. 1131/DEL/89 filed on 30-11-89

Convention date : 8829449.1/16-12-88/GB.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

(Claims 8)

A two stage electrochemical method for manufacturing dinitrogen pentoxide ( $N_2O_5$ ) said method comprising simultaneously treating in an electrochemical cell  $N_2O_4$  with nitric acid to oxidise  $N_2O_4$  at the anode and decomposing nitric acid at cathode, wherein said  $N_2O_5$  is generated in two production stages, a first production stage in which the anodic oxidation and cathodic decomposition reactions are separated to produce at least 15 wt. % to 70 wt. %

of  $N_2O_5$  and a second production stage in which the product from the anodic reaction of the first production stage is subjected to further anodic oxidation to produce the balance amount of  $N_2O_5$ .

(Complete Specification 22 Pages Drawing Sheets 7).

Ind. Cl. : 156G, H

177183

Int. Cl. : F01B 1/00

POSITIVE DISPLACEMENT PUMP.

Applicant : ASTRA-TÉCH AB OF ARSTAANGSVAGEN 1A, S-117 43 STOCKHOLM, SWEDEN.

Inventors : STIG LNUDBACK.

Application for Patent No. 1145/DEL/89 filed on 5-12-89

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

(Claims 14)

A positive displacement pump having a supply chamber (15) for receiving the fluid to be pumped, a variable volume pump chamber (16) an inlet passage (17) through which the fluid is conducted from the said supply chamber (15) to the said pump chamber (16) an outlet (14) through which the fluid is discharged from the pump chamber (16) and movable in opposite directions along a predetermined path such as to move through a variable displacement zone of the said pump chamber (16) to increase and decrease alternately the volume of the said pump chamber (16), drive means coupled with the displacement member to move it in at least a direction to decreased the volume of the said chamber (16), and an inlet valve for closing the said inlet passage (17) to block fluid backflow out of the said pump chamber (16) through the said inlet passage (17), characterised in that the supply chamber (15) is a reservoir capable of holding a variable volume of fluid being pumped and is disposed along the periphery of and adjacent the said pump chamber (16) and the said inlet passage (17) is substantially coextensive with the supply chamber (15) and opens to the pump chamber (16) through an elongated gap-like opening in a bounding wall of the pump chamber (16) whereby fluid being pumped enters the pump chamber (16) through the inlet passage (17) substantially without pressure drop.

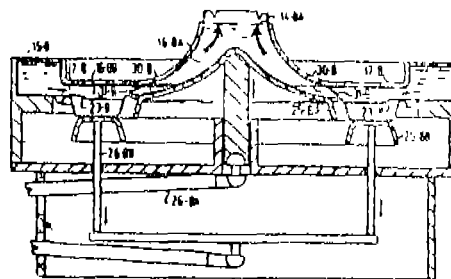


FIG 8A

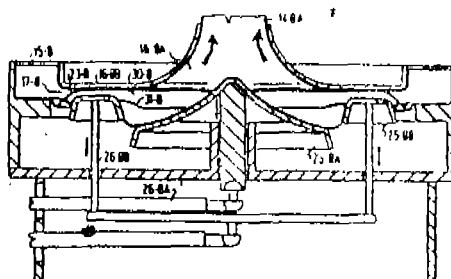


FIG 8B

(Complete Specification 26 Pages Drawing Sheets 11)



Ind. Cl. : 187C<sub>3</sub> & 206E

177184

Int. Cl. : H04M 11/00.

**A TELEPHONE STATION HAVING A SPATIAL DIVERSITY SYSTEM.**

Applicant : INTERNATIONAL MOBILE MACHINES CORPORATION OF 100 NORTH 20TH STREET PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA.

Inventors : (1) JOHN DAVID KAEWELL  
(2) NICHOLAS CARL SCHREIER  
(3) JAMES JOSEPH ROLLER.

Application for Patent No. 1166/DEL/89 filed on 11-12-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

**2 Claims**

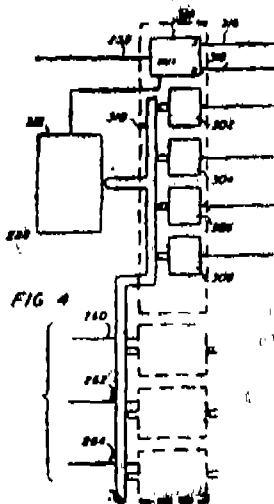
A telephone station having a spatial diversity system, the station for communicating with at least one other station on at least one channel having an antenna (14, 206) a radio (20, 208) connected to the antenna, a modem (24, 210) connected to the radio (20, 208) the modem being (24, 210) being connected to a direct memory access interface (28, 220, 222, 224, 226) for each channel, the direct memory access interface (28, 220, 222, 224, 226) for each channel connected to a primary processor (32, 218) which is connected to a combined coder/decoder (50) the station further including :

a second antenna (250, 18) connected to a second radio (22, 236) which is connected to a second modem (26, 232) which is connected to a second direct memory access interface (30, 242, 244, 246, 248) for each channel which is connected to a second processor (26, 230) wherein there is provided;

a switch having two switching tracks (42, 46, 316, 318) for each channel, the first switching track (42, 316) connecting the primary processor (32, 218) to the coder/decoder (50) the second switching track (46, 318) connecting the second processor (26, 230) to the coder/decoder (50);

a comparator (312) being connected to the primary processor (32, 218) and the second processor (26, 230) by an interface for each channel for allowing the comparator to compare data being processed by the primary processor (32, 218) with data being processed by the second processor (26, 230); and

the comparator (312) being further connected to the switch (314) to control the selection between the first switching track (316) and the second switching track (318) during operation of the telephone station.



(Comp. Specn. 17 pages;

Drwg. Sheets 2)

Ind. Cl. : 92 B, DI

177185

Int. Cl. : A01C 1/00, 1/06, 1/08.

**AN AIR SCREEN CLEANER MACHINE".**

Applicant : SHIRISH SHANTILAL PANDYA, AN INDIAN NATIONAL OF F-2, SOUTH EXTENSION, PART-I, NEW DELHI-110 049.

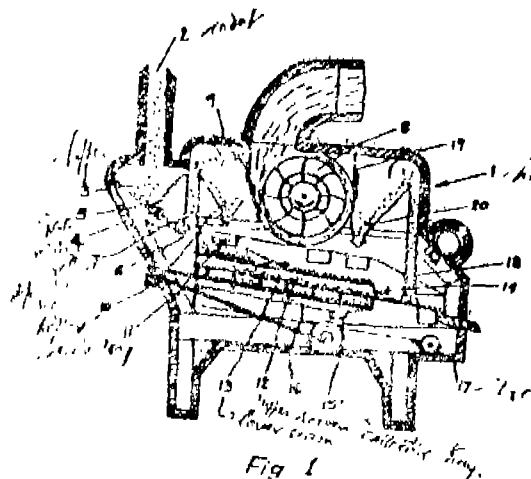
Inventor : SHIRISH SHANTILAL PANDYA, an Indian Nation of E-2, South E xtension, Part I, New Delhi-110 019.

Application for Patent Application No. 1192/DEL/89, filed on 15-12-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

**5 Claims**

An air screen cleaner machine comprising a housing 1 having a feed inlet 2 for introduction of feed to be cleaned, an upper and lower screen 12 & 13 having a feed and discharge end 21 & 22 being disposed within said housing 1, characterised in that said lower screen 13 having a first and second section 20a, 20b contiguous to each other, being provided for separating feed seeds of different sizes, said first section 20a extending from the feed end 21 and towards the discharge end 22, said second section 20b extending from the discharge end 22 and towards the feed end 21, a first second outlet 23 & 24 being provided with the base 25 of said first 20a and second section 20b of said lower screen 13 respectively for discharge of the undersizes from said first 20a and second sections 20b, weightment and signal means provided with said second outlet 24 to indicate the amount of undersize discharged through said second outlet.



(Comp. Specn. 13 pages;

Drwg. Sheets 2)

Ind. Cl. : 170 A

177186

Int. Cl. : C 11 D 7/22

**"A GRANULAR DETERGENT PRODUCT INCLUDING A COLORED BLEACH ACTIVATOR EXTRUDATES AND A PROCESS FOR PRODUCING THE SAME".**

Applicant : THE PROCTER & GAMBLE COMPANY, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, OF ONE PROCTER & GAMBLE PLAZA CINCINNATI, OHIO, UNITED STATES OF AMERICA.

Inventor(s) : ERNIE BOWLING.

Kind of application : Complete

Application for Patent No. 1264/Del/89 filed on 29th December, 1989.

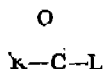
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## (Claims 16)

A process for the production of a granular detergent product comprising colored stabilized bleach activator extrudates, said process comprising the steps of :

(a) obtaining stabilized bleach activator extrudates comprising, by weight :

(i) from 50% to 98% of bleach activator compound of the general formula



wherein R is an alkyl group containing from 5 to 18 carbon atoms wherein the longest linear alkyl chain extending from and including the carbonyl carbon contains from 6 to 10 carbon atoms and L is a leaving group, the conjugate acid of which has pKa in the range of from 6 to 13; and

(ii) from 2% to 50% of a binder material selected from the group consisting of non-ionic surfactants, polyethylene glycols, anionic surfactants, film forming polymers, fatty acids, and mixtures thereof wherein said binder does not melt below 40° C;

wherein (i) and (ii) are substantially evenly distributed throughout said extrudates; the bulk density of said extrudates is between g/cc; said extrudates have an average particle size of from 500 microns to 2,000 microns in diameter and 500 microns to 6000 microns in length, said extrudates consisting essentially of from 0.5 to 5% water soluble dye and from 5.30% water soluble hydratable inorganic material and the amount of water in said extrudates is less than 5%;

(b) distributing on said stabilized bleach activator extrudates an aqueous solution consisting essentially of stable water-soluble dye or water-dispersible pigment and from 5% to 30% by weight of water-soluble hydratable material; and

(c) admixing said resulting dyed or pigmented stabilized bleach activator extrudates in a final granular detergent product comprising a peroxygen bleaching compound capable of yielding hydrogen peroxide in an aqueous solution, wherein the molar ratio of hydrogen peroxide yielded by the peroxygen bleaching compound to said bleach activator compound is greater than 1.5.

Agent : Lal Bahiri & Salhotra,

US Patent Nos. 4412934, 4536314, 4681695 are referred in the specn.

(Complete Specn. 28 Pages)

Drwg. Sheets Nil)

Ind. Cl. : 131 B

177187

Int. Cl.4 : E 21 B 19/00.

"AN APPARATUS FOR ISOLATING OR PATCHING OFF TROUBLESOME ZONES IN A WELL"

Applicant : TATARSKY GOSUDARSTVENNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT NEFTYANOI PROMYSHLENNOSTI, OF ULITS A M. DZHALILYA, 32, BUGULMA, U.S.S.R.

Inventors : GABDRASHIT SULTANOVICH ABDRAKHMANOV, RASHID AKHMEDULOVICH UTESHEV, RUSTAM KHAMITOVICH IBATULLIN IZIL GATIMZYANOVICH IUSUPOV, ANATOLY VASILEVICH PEROV, ALBERT GABDULOVICH ZAINULLIN, KONSTANTIN VIKTOROVICH MELING BORIS VLADIMIROVICH LAVRUSHKO IMAS FALIKHOVICH MINGAZOV, ALMAZ ADGAMOVICH MUKHAMETSHIN VITALY PETROVICH FILIPPOV, KHALIM AKHMETOVICH ASEANDIYAROV, TATYANA ALEXANDROVNA MIKHAILOVA VLADIMIR SERGEEVICH PARSHIN, LEONID VLADIMIROVICH JUNYUSHEV, ALEXANDR ALEXEYEVICH PUZANOV, ALEXANDR PETROVICH BALANDIN.

Application for Patent No. 1210/Del/89 filed on 19-12-89.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 8 Claims

An apparatus for isolating or patching off troublesome zones of the kind as herein described in a well, the apparatus comprising a string of profile pipes (1) with cylindrical portions (2) at their ends, the lowermost end whereof (2) accommodates a shoe (9) with a valve (10), characterised in that said apparatus is provided with a means of setting the string of profile pipes (1) in the well which consists of a reamer (14) with elements (16) for expanding the cylindrical portions (2) of said profile pipes (1), said reamer (14) being fitted in the bore of the uppermost cylindrical portion (2) of the string of profile pipes (1) with provision for axial displacement and engagement with said uppermost cylindrical portion (2) of the string of profile pipes (1) and an expander coupled to the reamer (14) for revolving and axial displacement integrally with each other in the bore of profile pipes (1), said expander (20) having a housing (24) with expanding elements (29), and being disposed above the string of profile pipes (1).

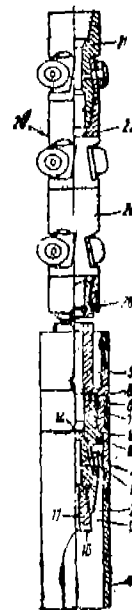


FIG.1

(Complete Specn. 16 pages).

(Drwg. Sheets 3)

Ind. Cl. : 98 CDEG

177188

Int. Cl. : D21D 1/00, 3/00, 25/00 .

AN APPARATUS FOR SUSPENDING HORIZONTAL HEAT EXCHANGE TUBES ON A VERTICAL CARRIER TUBE AND A METHOD FOR ITS MANUFACTURE.

Applicant : STEIN INDUSTRIE OF 19-21 AVENUE, 78140 VALIZY-VILLACOUBLAY, FRANCE.

Inventors : JEAN FOURNIER GILBERT DELSOL.

Application for Patent No. 1220/Del/89 filed on 20-12-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## Claims 3

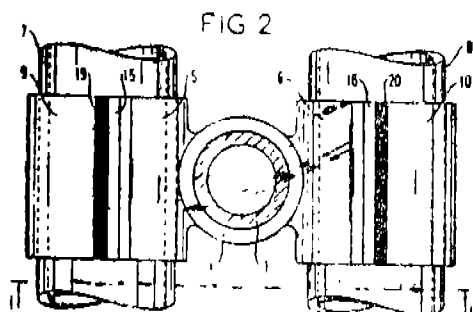
An apparatus for suspending horizontal heat exchange tubes (7, 8) on a vertical carrier tube (1),

characterized in that it comprises a bottom support sleeve (2) welded at its bottom edge around the said vertical carrier tube (1),

a top support sleeve (4) having its bottom edge resting on the top edge of the said bottom support sleeve.

said top support sleeve being provided on its sides with two half-shells (5, 6) of radius of curvature slightly greater than that of the said horizontal tubes, and

add-on half-shells (9, 10) of radius of curvature greater than that of the said horizontal tubes, said add-on half-shells welded edge-to-edge (19, 21; 20, 22) to the half-shells (5, 6) thereby forming collars clamping the said horizontal heat exchange tubes on either side of the vertical carrier tubes.



(Complete Specn. 7 Pages;

Drawing Sheet 1)

Ind. Cl. : 55 F

177189

Int. Cl. : A 61 K 37/48.

SYNERGISTIC THERAPEUTIC COMPOSITIONS COMPRISING A RENIN INHIBITOR AND/OR AN ANGIOTENSIN I CONVERTING ENZYME INHIBITOR AND AN ANGIOTENSIN II ANTAGONIST.

Applicant : PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK USA.

Inventor : ANTHONY ANDER A FUSSA, USA.

Kind of Application : Complete.

Application for Patent No. 420/Del/91 filed on 15-5-91.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## Claims 3

A method for preparing a pharmaceutical composition for achieving a therapeutic effect in a mammal in need thereof which comprises mixing amounts of at least two therapeutic agents selected from the group consisting of :

(a) from 0.5 to 90% wt. of the composition of renin inhibitor to result in a dosage of from 0.25 mg/kg to 1.4/kg i.v. or 40 mg/day to 1200 mg/day orally;

(b) from 0.5 to 90% wt. of the composition of an angiotensin I converting enzyme inhibitor to result in a dosage of 40 mg/day to 450 mg/day orally; and

(c) from 0.5 to 90% wt of the composition of an angiotensin II antagonist to result in a dosage of 0.3mg/kg to 500mg/kg orally per day,

wherein the amount of (a) alone, the amount of (b) alone and the amount of (c) alone is insufficient to achieve the therapeutic effect; and wherein the combined effect of the amounts of the therapeutic agents is greater than the sum of the therapeutic effects achievable with the amounts of the individual therapeutic agents; and the balance, a pharmaceutically acceptable diluent or carrier.

US Patent No. 4355040, 4882804, 253310, 323841, 324377 are referred in the specification.

Agent : Remfryz Sagar

(Complete Specification 24 Pages Drawing Sheets NIL)

Ind. Cl. : 190 C.

177190

Int. Cl. : F03B 1/00.

FUEL-LESS TURBINE PUMP-CUM-MACHINE.

Applicant : MANGAL SINGH VILLAGE & P.O. BHAILONOLODY (BAR) DIST. LALITPUR U.P.

Inventor : MANGAL SINGH :

Application for Patent No. 489/Del/90 filed on 21-05-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## Claims 3

Fuel less turbine pump comprising a water wheel mounted on a shaft and supported on two bearing blocks fixed on foundation supports, a gearbox for stepping up speed of rotation coupled to one end of the input shaft of said gear box, output shaft of the gearbox being coupled with a centrifugal pump for lifting water and the other end of the output shaft is provided with a pulley for deriving power for operating any other machine, characterized in that said water wheel comprises planks having semicircular or plane or angular in shape.

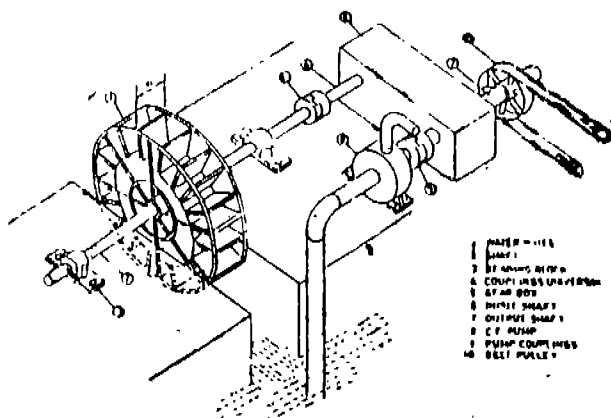


FIG 1 WATER WHEEL TURBINE PUMP

(Complete Specification 5 Pages

Drawing Sheet 1)

Ind. Cl. : 128 G

177191

Int. Cl. : A 47 C 1/20.

**A SEAT EXTENDIBLE IN EITHER BACK PORTION OR BASE PORTION OR BOTH.**

**Applicant :** THE NORTHERN TERRITORY OF AUSTRALIA, OF GPO., BOX 1701, DARWIN, NORTHERN TERRITORY, AUSTRALIA;

**CHRISTOPHER LEON OGLE, OF BAYFIELD ROAD, MALAK, NORTHERN TERRITORY, AUSTRALIA;**

**ANN LOUISE LAND, OF 16 GOODMAN STREET, NAKARA, NORTHERN TERRITORY, AUSTRALIA.**

**Inventor :** CHRISTOPHER LEON OGLE, AUSTRALIA;  
**ANN LOUISE LAND AUSTRALIA.**

**Kind of Application :** Convention-Divisional

**Application for Patent No. 354/Del/91 filed on 23-4-91.**

**Convention data :** PI 6553/AU/3-2-88

**Divisional to Patent Application No. 268/Del/88 filed on 4-4-88 Ante-dated to 4-4-88.**

**Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.**

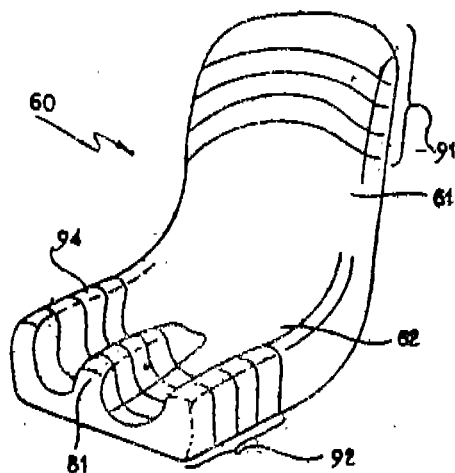
(Claims 16)

A seat extendible in either back portion or base portion (63) or both and comprising a back portion, a base portion secured to the back portion (62), one or more extension segments (65) securable by connection means to the base portion (63) or to a said extension segments (65) previously secured to the base portion (63), and one or more extension segments (64) securable by connection means to the back portion (62) or to a said extension segment (64) previously secured to the back portion (62) so that each segment (64, 65) abuts the back (62) or base (63) portion or one of the adjacent previously secured extension segments (64, 65), thereby enabling the length of the back portion (62) and the base portion (63) to be extended.

**Ref :** NIL.

**Agent :** Remfry & Sagar.

FIG. 1



(Complete Specification 12 pages Drawing Sheets 7).

Ind. Cl. : 14B D<sub>1</sub>

177192

Int. Cl. : B 65 B 1/02.

**A TURRET FOR USE WITH AN OVERWRAPPING MACHINE.**

**Applicant :** LAJPAT RAI KHOSLA & RAJESH KHOSLA BOTH PARTNERS OF KHOSLA ENGINEERS, AN INDIAN REGISTERED PARTNERSHIP FIRM OF 644, SECTOR-16, CHANDIGARH-160 017. UNION TERRITORY OF CHANDIGARH, INDIA.

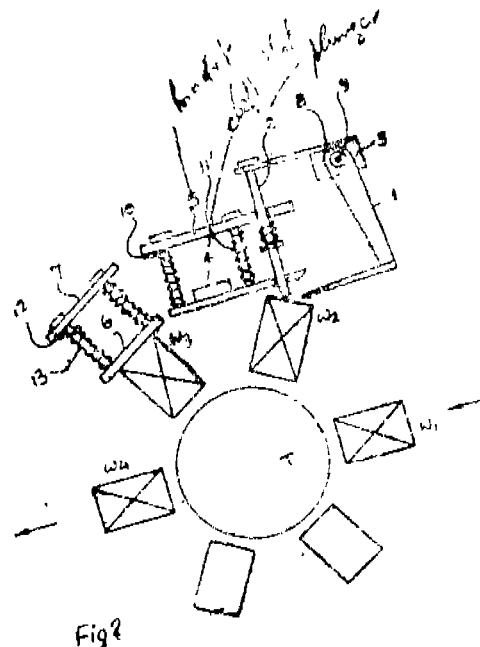
**Inventors :** RAJESH KHOSLA, AN INDAN NATIONAL OF KHOSLA ENGINEERS OF 644, SECTOR-16, CHANDIGARH-160 017.

**Application for Patent No. 692/DEL/89, filed on 4-8-89**

**Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.**

(Claims 7)

A turret for use with an overwrapping machine comprising a first working station for receiving the partially wrapped packet, a second and third working stations having a folding and sealing means and a fourth station being a discharge station, said folding and sealing means comprising a first means at said second station for causing a folding and heating of the seal zone and a second means at said third station being provided for causing a cooling and setting of the seal.



(Complete Specification 10 Pages; Drawing Sheets 2)

Ind. Cl. : 39 K

177193

Int. Cl. : C 01B 21/38.

**A PROCESS FOR MANUFACTURING NITRIC ACID.**  
**Applicant :** NORSK HYDRO A S., OF 0240 OSLO 21, NORWAY.

**Inventors :** GUNNAR KONGSHAUG, LEIF HJORNEVIK, ERIK FAREID, OYSTE IN NIRSEN.

**Application for Patent No. 758/Del/89 filed on 28-8-89.**

**Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, New Delhi-110005.**

(Claims 3)

A process for manufacturing nitric acid, said process comprising subjecting in any known manner a mixture of ammonia and oxygen to catalytic combustion to form a mixture of nitrogen oxides such as nitric oxide, nitrous oxide and nitrogen dioxide, characterized by retaining the warm combustion gases containing said mixture of nitrogen oxides for 0.1-3 seconds, to remove nitrous oxide therefrom, cooling said gases in the heat recovery unit, and absorbing the remaining nitrogen oxides in water and/or diluted nitric acid to produce nitric acid.

(Complete Specification 11 Pages; Drawing Sheets 2).

Ind. Cl. : 56 F

177194

Int. Cl. : C 10 G, 45/10.

"PROCESS FOR THE PRODUCTION OF WHITE OILS FROM HEAVY ALKYLATE BY PRODUCT".

Applicant : UOP, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING IT PRINCIPAL PLACE OF BUSINESS AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor(s) : (1) DUSAN J. ENGEL (2) BIPIN V. VORA

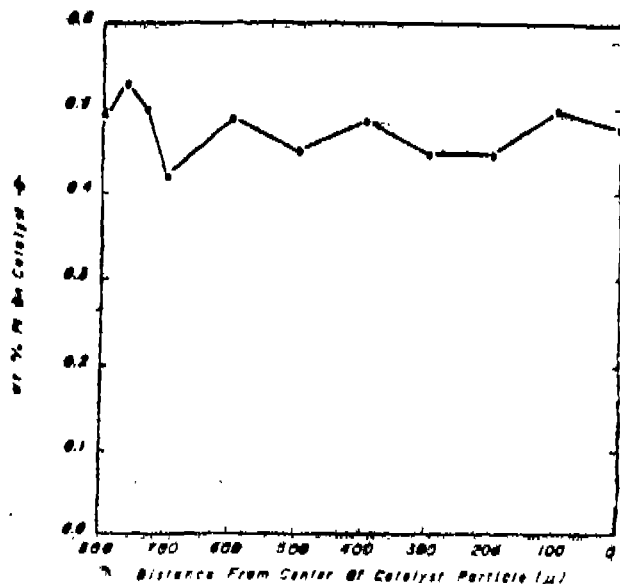
Application for Patent No. 763/Del/89 filed on 28th August, 1989.

Appropriate Office for Opposition Proceedings (Rule 110 005, Patent Rules, 1972), Patent Office Branch, New Delhi.

(Claims 10)

1. A hydrogenation process for producing a hydrocarbon white oil which comprises contacting a hydrocarbon feed stream comprising C<sub>15</sub>-C<sub>50</sub> hydrocarbons obtained from an aromatic alkylation process with a hydrogenation catalyst comprising 0.05 to 5 wt.% of a platinum group metal component on a refractory oxide support and optionally an alkali component preferably upto 10 wt.% selected from lithium, potassium, sodium or mixtures thereof at a hydrogen to hydrocarbon molar feed ration of from 2 : 1 to 15 : 1 in a hydrogenation reaction zone at conventional hydrogenation conditions selected to provide the white oil product.

Uniformly Impregnated Catalyst A



(Complete Specification 22 Pages; Drawing Sheets 2)

Ind. Cl. : 157 A 1 &amp; 2.

177195

Int. Cl. : E01C 9/04.

A CROSSING FROG WITH A MOVING POINT AND A PROCESS FOR PRODUCING SUCH A CROSSING FROG.

Applicant : COGIFER (CIE GENERALE D'INSTALLATIONS FERROVIAIRES) S.A., OF 100 AVENUE ALBERT LER, 92500 RUEIL MALMAISON, FRANCE, A FRENCH COMPANY.

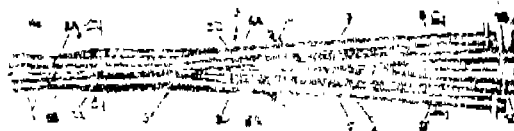
Inventors : GERARD TESTART.

Application for Patent No. 764/Del/89 filed on 29-8-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

(Claims 18)

A crossing frog with moving point for very long railway switches incorporated in long welded rails comprising, in particular, a cradle (2) in two elements (3 and 4), characterised in that a first said element (3) is made of moulded steel and a second said element (4) of said cradle (2) is made of non-moulded parts, said elements being connected between themselves in a non separable manner by welding or secured fish-plates, two ends (3A and 3B) of said first element (3) on the point side thereof and two ends (3C and 3D) on the heel side of said first element (3) having a rail profile, but only the rail profile of the two ends (3A and 3B) on the pointside effectively serving for rolling, the non-moulded second said element (4) being mainly made up of parts (5 and 5') which are integrally rails and connected to said two ends (3C and 3D) on the heel side of said moulded first element (3), the rail profile of the two ends (3C and 3D) on the heel side of said first element (3) and the rail profile of the parts (5 and 5') being non-rolling surfaces, the moving point (1), being made integrally of rails of which all the upper faces effectively serve as rolling surfaces.



(Complete Specification 20 Pages; Drawing Sheets 3).

Ind. Cl. : 51 D

177196

Int. Cl. : B 26B 21/00.

METHOD AND APPARATUS FOR PROVIDING SHARPENED CUTTING EDGES ON BLADE BLANKS TO PRODUCE RAZOR BLADES.

Applicant : THE GILLETTE COMPANY, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATES OF MASSACHUSETTE 02199, UNITED STATES OF AMERICA.

Inventor : ROGER JOHN BACHE, COLIN FRANCIS PARKER.

Application for Patent No. 807/Del/89 filed on 08-09-89.

Convention Date : 8821944.9/19-09-89/U.K.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 16)

A method of providing sharpened cutting edges on blade blanks to produce razor blades comprising the step of subjecting a stack of razor blade blanks to ion bombardment to cause sputter removal of the material of the blade blanks to form or modify cutting edges of the razor blades to be produced, characterised by the steps of subjecting said stack of razor blades to ion bombardment from two ion sources in

a vacuum chamber to cause sputter removal of the material of the blades on both sides of the edges thereof to thereby form or modify the cutting edges of the razor blades, locating the ion sources on opposite sides of a plane which lies within the stack and parallel to the major surfaces of the blades and orienting the ion sources so that the axes of their ion beams are directed at the edges of the razor blades in the stack, said ion bombardment being effected with ion of sufficient mass and energy in relation to the material of which the razor blades are formed.

(Complete Specification 25 pages; Drawing Sheets 2)

Ind. Cl. : 13 C XL (1)

177197

Int. Cl. : B 65 B 1/00, 5/00.

#### A POCKET WHEEL.

Applicant : BHULLAR MACHINES PRIVATE LIMITED AN INDIAN COMPANY OF 144, INDUSTRIAL AREA, PHASE-III, CHANDIGARH-160 002, INDIA.

Inventor : BIRINDER SINGH BHULLAR, AN INDIAN NATIONAL OF 144, INDUSTRIAL AREA, PHASE-III, CHANDIGARH-160 002.

Application for Patent No. 827/Del/89 filed on 15-9-89

Ante-dated to same filing date 19-06-88. Divisional to Patent Application No. 440/Del/88 filed on 19-6-88.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972); Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 4)

A pocket wheel for use in an over wrapping machine comprising a centre piece secured to a rotatable shaft, front and rear side plates being provided with said centre piece to form a plurality of equi spaced pockets, adjustable T guides having a back stop adjustably secured thereto being provided with each of said pockets for adjusting width and height of said pocket, driving means being provided for displacing the product through various working stations, windows being provided between said pockets for reducing the weight of said pocket wheel.

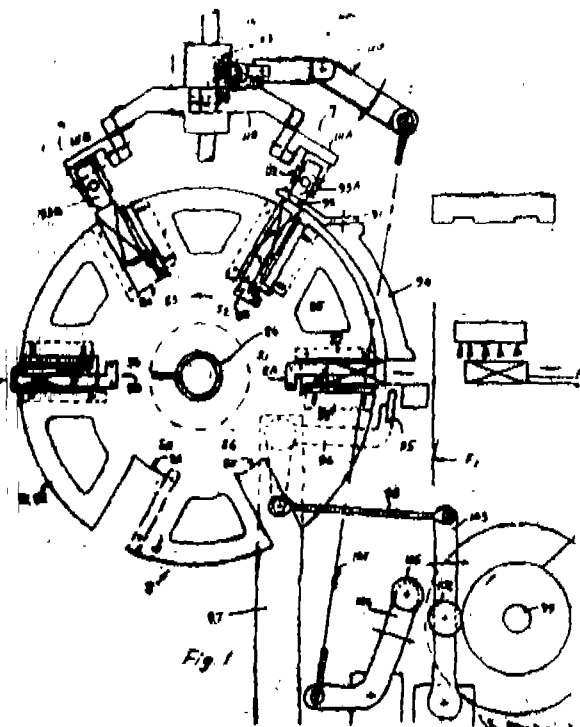


Fig 1

(Complete Specification 9 Pages; Drawing Sheet 1)

Ind. Cl. 62 C : 62C.

177198

Int. Cl. : C09B 62/17.

#### A PROCESE FOR THE PREPARATION OF A POLY-CYCLIC DYES.

Applicant : IMPERIAL CHEMICAL INDUSTRIES INC. OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, SW1P 3JF, ENGLAND.

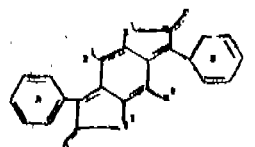
Inventors : RONALD WYNFORD KENYON, DAVID FRANCIS NEWTON, DEREK THORP.

Application for Patent No. 841/Del/89 filed on 19-9-89 Convention Date : 8823158.4/3-10-88/U.K.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

(Claims 2)

A process for the preparation of polycyclic dye of Formula I:



by reacting a phenyltertronic acid of Formula II :



Wherein

W is -NR<sup>1</sup> or OR<sup>2</sup>;

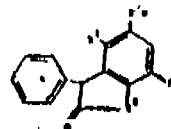
R<sup>3</sup> is H or an optionally substituted alkyl, alkenyl, cycloalkyl or alalkyl group;

R<sup>1</sup> & R<sup>2</sup> are each independently H or an optionally substituted alkyl, alkanyl, cycloalkyl, aralkyl or aryl group; or

R<sup>1</sup> & R<sup>2</sup> together with the nitrogen atom to which they are attached form a heterocyclic ring; or

R<sup>1</sup> & R<sup>2</sup> together with the nitrogen atom are the adjacent carbon atom of Ring B form a heterocyclic ring; and

Ring B is unsubstituted, apart from the group W, or is substituted by one or two further groups; with a compound of Formula III :



Wherein,

Z<sup>1</sup> & Z<sup>2</sup> are each independently -O-, -S- or -NY- in which Y is H and optionally-substituted hydrocarbon group or an acyl group;

X<sup>1</sup> & X<sup>2</sup> are each independently selected from H halogen, cyano, alkyl, aryl, carbomoyl, sulphamoyl, COOH and carboxylic acid ester; & Ring A is unsubstituted or is substituted by from one to three groups and oxidation of the intermediate compound to dehydrogenate the ph peripheral heterocyclic rings.

(Complete Specification 33 Pages; Drawings Sheet Nil)

Ind. Cl. : 99 B, H XL (4).

177199

Int. Cl.4 : B 65 D 39/00.

and having an axial movement caused by said sleeve (10) for causing a severance of a sealing membrane (7).

## AN IMPROVED CONSTRUCTION OF A DISPENSER.

Applicant : STANDIPACK PRIVATE LIMITED, 25, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-110065, INDIA, AN INDIAN COMPANY.

Inventor : KAMAL MEATTLE.

Application for Patent No. 937/DEL/89 filed on 18-10-1989.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, Delhi-110005.

## 3 Claims

An improved construction of a dispenser for use with a bag and box packaging means comprising :

- (a) a socket (2) adapted to be secured with the bag, (3);
- (b) an intermediate member (4) having a throat (7) extending into a mouth (9) being provided to be press fitted to said socket (2) after the liquid is filled into said bag, (3); and
- (c) a pilfer proof cap (5) being secured with the mouth member (9) of said intermediate member. (4).

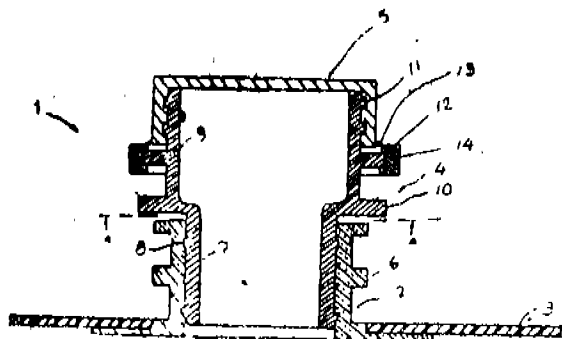


Fig.-2

(Comp. Specn. 6 pages;

Drg. Sheet 1)

Ind. Cl. : 99 B, H XL (4).

177200

Int. Cl.4 : B 65 D 39/00.

## A DISPENSER FOR USE WITH A BAG AND BOX PACKAGING SYSTEM.

Applicant : STANDIPACK PRIVATE LIMITED, 25, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-110065, INDIA, AN INDIAN COMPANY.

Inventor : KAMAL MEATTLE.

Application for Patent No. 938/DEL/89 filed on 18-10-1989.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, Delhi-110005

## 6 Claims

A dispenser for use with a bag and box packaging means comprising a socket (2) to be held to the bag, (3) a valve housing (4) having a first tubular housing (5) and a second tubular housing (6) adapted to be press fitted to said socket, (2) an opening (15) provided at the upper end of said first housing, (5) a rotatable sleeve (10) having an opening (1) adapted to be in flow communication with the opening (15) of said first housing (5) being disposed within said housing (5) so as to allow a discharge of the liquid, a plunger member (11) freely disposed within said first tubular housing (5)

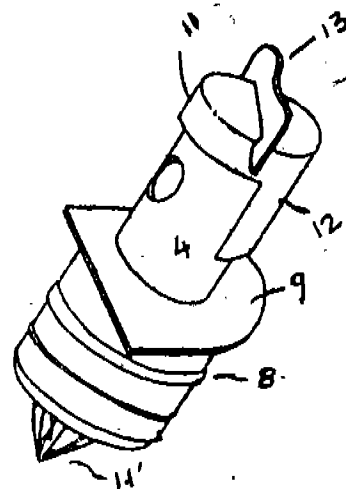


FIG. 1

(Comp. Specn. 9 pages;

Drg. Sheets 3).

## RENEWAL FEES PAID

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174569	174660	174753	174762	174779	174801	174837	174906
174910	174922	174937	174938	174939	174940	174956	

## CESSATION OF PATENTS

165740	165789	165795	165827	165858	165861	165877	165888
165905	165906	165923	165947	165967	166023	166026	166073
166076	166131	166143	166174	166183	166184	166186	166220
166221	166231	166232	166233	166234	166235	166253	166264
166282							

## PATENT SEALED ON 25-10-96

174266	174519*	176227*	176289	176297*	176361*	D	176373
176375	176376	176380					

CAL-03, DEL-01, MUM-06, MAS-NIL

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent

# REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 169049, Dynapac Heavy Equipment AB, of Box 504, S-37123 Karlskrona, Sweden, "ROAD ROLLER WITH DRIVERS CABIN", 21st April 1995.

Class 1. No. 169061, Velumani Anand, a subject of Indian Republic, whose address is SF 162, Kamadhenu Nagar, Avarampalayam, K. R. Puram, Ganapathy P.O., Coimbatore-641006, Tamilnadu, India, "WATER PURIFIER", 24th April 1995.

Class 1. No. 170084, Financiere Des Applications De L'Electricite S.A., a company incorporated under the laws of Belgium of Rue De Lusambo, 67 B, 1190 Bruxelles, Belgium, "LIGHTING APPARATUS", 30th October 1995.

Class 1. No. 170820, Libra Appliances (P) Ltd., and Indian Company of 71, Canning Street, A 305, Bagree Market, Calcutta-700001, West Bengal, India, "COOKING APPLIANCE", 1st March 1996.

Class 1. No. 168537, Mrs. Meera Bhatnagar, an Indian national, A 98, Ashok Vihar, Phase II, Delhi-110052, India, "RICKSHAWS", 26th December 1994.

Class 1. No. 170080, Sitara Brass Wares, 2503/4, Moti Ram Road, Shahdara, Delhi-32, India, an Indian proprietary firm, "FANCY WATER TAP", 30th October 1995.

Class 3. No. 168885 & 168884, Rotomac Pens Pvt. Ltd., an Indian company, carrying on business at 201, City Centre, 63/2, Tha Mali, Kanpur-208001. U.P., India, ("PEN", 1st March 1995.

Class 3. No. 168883, Premsons Plastics Pvt. Ltd., an Indian company carrying on business at 221, A to Z Industrial Estate, Lower Parel, Bombay-400013 Maharashtra, India, "CONNECTOR FOR DIS-PLAY SYSTEM", 1st March 1995.

Class 3. No. 170038, Heberlein Maschinenfabrik AG, a Swiss corporation of Bleikens'rasse 11, CH-9630, Wattwil, Switzerland, "FRAMED AIR JET", 17th October 1995.

Class 3. No. 170253, CPC International INC., a corporation organised under the laws of the State of Delaware, U.S.A., of International Plaza, P.O. Box 8000, Engle Wood Cliffs, New Jersey 07632, U.S.A. "BOTTLE WITHOUT CAP", 20th November 1995.

Class 4. No. 169863, Rajeev Panagoria, an Indian national, 32 No. Jaliy Para Bye 1st Lane, 5th floor, Flat No. 14, Howrah-711101, West Behgal, India, "LIGHT FITTINGS", 18th September 1995.

T. R. SUBRAMANIAN

Controller General of Patent, Design & Trade Marks